

Contents

ORIGINAL ARTICLES

- 1 Longitudinal zinc balances in breast-fed and formula-fed infants
E Sievers, H-D Oldigs, K Dörner, J Schaub
- 7 Food consumption and nutrient intake of one- to two-year-old Finnish children
L Räsänen, K Ylönen
- 12 Breast feeding duration in consecutive offspring: a prospective study from southern Brazil
CG Victora, SR Huttly, FC Barros, JP Vaughan
- 15 Thermal responses and heart rates of low-birth-weight premature babies during daily care on a heated, water-filled mattress
I Sarman
- 21 Familial history of cardiovascular disease and blood lipid pattern in newborn infants
R Bellù, MT Ortisi, C Agostoni, P Incerti, R Besana, E Riva, M Giovannini
- 25 Visual acuity and visual field development after cryocoagulation in infants with retinopathy of prematurity
WPF Fetter, J van Hof-van Duin, W Baerts, DJ Heersema, M Wildervanck de Blécourt-Devilée
- 29 Giardiasis: haematological status and the absorption of vitamin B₁₂ and folic acid
K Hjelt, A Parregaard, PA Krasilnikoff
- 35 Lidocaine for treatment of severe seizures in newborn infants. II. Blood concentrations of lidocaine and metabolites during intravenous infusion
L Hellström-Westas, NW Svenningsen, U Westgren, I Rosén, P-O Lagerström
- 40 Characteristics and prognosis of hospital-treated obstructive bronchitis in children aged less than two years
G Wennergren, S Hansson, I Engström, U Jodal, M Åmark, I Brolin, P Juto
- 46 Dominant role for osmolality in the efficacy of glucose and glycine-containing oral rehydration solutions: studies in a rat model of secretory diarrhoea
RMC Cunha Ferreira, EJ Elliott, AJM Watson, E Brennan, JA Walker-Smith, MJG Farthing
- 51 Elevated short chain fatty acid concentrations in anaerobic small bowel contamination
DR Lloyd, JD Brown, GA Brown, IW Booth
- 57 Dyskinetic and dystonic cerebral palsy and birth
J Foley
- 61 Longitudinal anthropometric study in children with acute lymphoblastic leukaemia
RYJ Tamminga, WA Kamps, NM Drayer, GB Humphrey
- 66 Superior treatment results in females with high-risk acute lymphoblastic leukemia in childhood
M Lanning, S Garwicz, H Hertz, G Jonmundsson, A Kreuger, SO Lie, PJ Moe, TT Salmi, H Schröder, MA Siimes, F Wesenberg, M Yssing, L Åhrström, G Gustafsson
- 95 Precision of gestational age assessment in the neonate
L Gagliardi, F Scimone, A DelPrete, C Petecca, G Stival, G Pasinetti, M Teani, P Bianchi, M Marani, PG Duca
- 100 A 10-year prognosis for childhood allergic rhinitis
O Linna, J Kokkonen, M Lukin
- 103 Regressed retinopathy of prematurity: the relationship between clinical risk factors of the newborn period and regressed retinopathy of prematurity severity in a preterm born population of Stockholm county 1976-81
JE Gallo, G Lennerstrand, U Broberger
- 107 Re-evaluation of the whey protein/casein ratio of human milk
C Kunz, B Lönnerdal
- 113 Immunoglobulin G subclasses in human colostrum, milk and saliva
K Kim, MA Keller, DC Heiner
- 119 Supplementation of an adapted formula with bovine lactoferrin: I. Effect on the infant faecal flora
AK Roberts, R Chierici, G Sawatzki, MJ Hill, S Volpato, V Vigi
- 125 Blood T and B lymphocyte subpopulations in healthy infants and children
J Heldrup, O Kalm, K Prellner
- 133 Recombinant human granulocyte-colony-stimulating factor in the treatment of patients with chronic benign granulocytopenia and congenital agranulocytosis (Kostmann's syndrome)
S Imashuku, M Tsuchida, M Sasaki, T Shimokawa, H Nakamura, T Matsuyama, N Taniguchi, M Oda, S Higuchi, K Ishimoto, M Kobayashi, K Ueda, I Tsukimoto, Y Hanawa
- 137 Gastroesophageal reflux in children with recurrent abdominal pain
SB van der Meer, PP Forget, RH Kuijten, JW Arends
- 141 Polymerase chain reaction for detection of *Mycobacterium tuberculosis*
M Narita, M Shibata, T Togashi, H Kobayashi
- 145 Evaluation of captopril versus reserpine and frusemide in treating hypertensive children with acute post-streptococcal glomerulonephritis
MR Morsi, EH Madina, AA Anglo, AT Soliman
- 150 High density lipoprotein cholesterol and total cholesterol in children with asthma and allergic rhinitis
A Sheno, L Kumar, S Sarihyar, NK Gangully
- 153 A follow-up study of the diet of Finnish diabetic adolescents
SM Virtanen, L Räsänen, R Tumme, S Laitinen, J Mäenpää, M Virtanen, HK Åkerblom

- 158 Collagen type II in Langer-Saldino achondrogenesis: absence of major abnormalities in a less severe case
B Bätge, A Nerlich, R Brenner, C Yang, PK Müller
- 163 Oral zinc as initial therapy in Wilson's disease: two years of continuous treatment in a 10-year-old child
R Milanino, A Deganello, M Marrella, F Michielutti, U Moretti, M Pasqualicchio, G Tamassia, L Tatò, GP Velo
- 167 Rett syndrome: the late infantile regression period: a retrospective analysis of 91 cases
I Witt Engerström
- 173 Influence of surgical treatment of scoliosis in children with spina bifida on ambulation and motoric skills
E Berned Müller, A Nordvall, L von Wendt
- 177 Congenital dislocation of the hip: a prospective study comparing ultrasound and clinical examination
K Rosendahl, T Markestad, RT Lie
- 191 Reference intervals and developmental changes in urinary prostanoid excretion in healthy newborns, infants and children
A Leonhardt, C Busch, H Schweer, HW Seyberth
- 197 Psychological development in children born with very low birth weight after severe intrauterine growth retardation: a 10-year follow-up study
A-C Smedler, G Faxelius, K Bremme, M Lagerström
- 204 Comparison of antithrombin III, protein C and protein S levels in capillary and venous blood of newborn infants
TF Fok, JA Yin, PMP Yuen
- 207 Fluid restriction for preventing bronchopulmonary dysplasia? Reduced fluid intake during the first weeks of life improves the outcome of low-birth-weight infants
OKT Tammela, ME Koivisto
- 213 Treatment with hypertonic dextrose and insulin in severe hyperkalaemia of immature infants
K Lui, U Thungappa, A Nair, E John
- 217 Studies on an outbreak of neonatal diarrhea caused by EPEC 0127:H6 with plasmid analysis restriction analysis and outer membrane protein determination
S-X Wu, R-Q Peng
- 222 Pneumonia and pneumonitis in childhood malignancy
NJ Shaw, R Elton, OB Eden
- 227 Modification of some markers of inflammation during treatment for acute respiratory exacerbation in cystic fibrosis
EA Valletta, A Rigo, L Bonazzi, L Zanolla, G Mastella
- 231 Tracheostomy in pediatric patients
HJ Puhakka, P Kero, P Valli, E Iisalo
- 235 Late sequelae of gonadal, mediastinal and oral teratomas in childhood
P Lahdenne
- 239 Metabolic control and diet in Finnish diabetic adolescents
SM Virtanen
- 244 A single pediatric center experience with 1025 children with hypertension
T Wyszynska, E Cichocka, A Wieteska-Klimczak, K Jobs, P Januszewicz
- 247 Doppler echocardiographic and morphologic evaluation of patients following operative repair of aortic coarctation
H Wendel, D Teien, DG Human, MA Nanton
- 253 Medical vocational guidance for adolescents—is it effective?
S Bremberg, R Andersson
- 257 Health examination of preschool children in relation to school adjustment in grade I
M Bondestam, E Hagelin, A-M Rydell, M Westerlund
- 287 Epidermal growth factor in human and bovine milk
BJ Iacopetta, F Griefu, M Horisberger, GI Sunahara
- 292 Selenium and human lactation in Australia: milk and blood selenium levels in lactating women, and selenium intakes of their breast-fed infants
FJ Cumming, JJ Fardy, DR Woodward
- 296 A comparison of secretory antibodies in breast-fed and formula-fed infants over the first six months of life
MA Avanzini, A Plebani, V Monafio, G Pasinetti, M Teani, A Colombo, L Mellander, B Carlsson, LÅ Hanson, AG Ugazio, GR Burgio
- 302 Trans fatty acids may impair biosynthesis of long-chain polyunsaturates and growth in man
B Koletzko
- 307 Hyperinflation in premature infants at preschool age
PJ Thompson, A Greenough
- 311 The growth of low-birth-weight children
A Elliman, E Bryan, A Elliman, J Walker, D Harvey
- 315 Cholesterol screening of seven-year-old children. How to identify children at risk
B Larsson, I Vaara
- 319 Reduced haemoglobin levels in infants presenting with apparent life-threatening events—a retrospective investigation
CF Poets, MP Samuels, CAJ Wardrop, E Picton-Jones, DP Southall
- 322 Psychosocial growth failure: a positive response to growth hormone and placebo
TJC Boulton, R Smith, T Single
- 326 Ultrasonographic screening for renal abnormalities in three-year-old children
M Mihara, Y Ito, K Fukushima, F Yamashita, M Tsunosue
- 329 Clinical value of measuring the interferon-induced enzyme 2'-5'-oligoadenylate synthetase in children
H-I Huppertz, K Becker, HW Kreth
- 335 Intratracheal N-acetylcysteine use in infants with chronic lung disease
H Bibi, B Seifert, M Oullette, J Belik

- 340 Home intravenous antibiotic treatment of patients with cystic fibrosis
B Strandvik, L Hjelte, A-S Malmborg, B Widén
- 345 Effect of phenylpropanolamine on incontinence in children with neurogenic bladders. A double-blind crossover study
P Åmark, O Beck
- 383 Immunogenicity and immunomodulatory activity of bovine surfactant (SF-RI 1)
P Bartmann, U Bamberger, F Pohlandt, L Gortner
- 389 Changes in cerebral oxygenation and cerebral blood volume during endotracheal suctioning in ventilated neonates
L Skov, J Ryding, O Pryds, G Greisen
- 394 Low incidence rates by birth of symptomatic coeliac disease in a Danish population of children
B Weile, PA Krasilnikoff
- 399 Comparison of fiberendoscopy and Watson capsule for small intestinal biopsy in infants and children
F Gottrand, D Turck, V Mitchell, JP Farriaux
- 402 Normokalaemic pseudohypoaldosteronism is present in children with acute pyelonephritis
J Rodriguez-Soriano, A Vallo, M^aJ Quintela, R Oliveros, M Ubetagoyena
- 407 Intrauterine growth in children with cerebral palsy
P Uvebrant, G Hagberg
- 413 Danish primary schoolteachers' knowledge about asthma: results of a questionnaire
LP Madsen, K Storm, A Johansen
- 417 Growing up in Uppsala. The role of public services in identification and treatment of health and adjustment problems. Part I. Definition and classification of dependent variables
T Mellbin, C Sundelin, J-C Vuille
- 424 Growing up in Uppsala. Part II. Could adolescents with severe psychosocial problems have been identified by symptoms observed in school at age 10 years?
T Mellbin, C Sundelin, J-C Vuille
- 430 Greek immigrant children in southern Sweden in comparison with Greek and Swedish children. III. Energy and nutrient intake
J Neiderud, I Philip, S Sjölin
- 463 Reference values for radial bone width and mineral content using single photon absorptiometry in healthy children aged 4 to 10 years
NJ Bishop, JA dePriester, TJ Cole, A Lucas
- 469 Human milk components cross-reacting with antibodies against bovine β -lactoglobulin
B Neuteboom, MG Giuffrida, A Cantisani, L Napolitano, A Alessandri, C Fabris, E Bertino, A Conti
- 475 Supplementation of an adapted formula with bovine lactoferrin. 2. Effects on serum iron, ferritin and zinc levels
R Chierici, G Sawatzki, L Tamisari, S Volpato, V Vigi
- 480 Breast-feeding and the dietary habits of children in rural Somalia
MM Ibrahim, LÅ Persson, MM Omar, S Wall
- 484 Risk factors for early termination of breast feeding in Brazil
ERJ Giugliani, RMS Issler, EB Justo, CF Seffrin, RM Hartmann, NM Carvalho
- 488 Temperature, metabolic adaptation and crying in healthy full-term newborns cared for skin-to-skin or in a cot
K Christensson, C Siles, L Moreno, A Belaustequi, P de la Fuente, H Lagercrantz, P Puyol
- 494 The influence of the basal yellow colour of the skin at birth on later jaundice meter readings in mature newborn infants
A Knudsen
- 498 Cardiovascular effects of carbon dioxide in ventilated preterm infants
AC Fenton, KL Woods, R Leanage, M Abu-Harb, MI Levene, DH Evans, DJ Field
- 504 Cerebral and aortic blood flow velocity patterns in preterm infants receiving prophylactic surfactant treatment
F van Bel, PJ de Winter, HBG Wijnands, M van de Bor, J Egberts
- 511 Human gastric lipase: ontogeny and variations in children
J Sarles, H Moreau, R Verger
- 514 The effect of dietary pectin on rapid catch-up weight gain and urea kinetics in children recovering from severe undernutrition
J Doherty, AA Jackson
- 518 Follow-up of nutritional status and dietary survey in children with cow's milk allergy
A Paganus, K Juntunen-Backman, E Savilahti
- 522 Genetic analysis of cystic fibrosis in Denmark
M Schwartz, NJ Brandt, C Koch, S Lanng, PO Schiøtz
- 527 Eight-year follow-up of pulmonary function and oxygen uptake during exercise in 16-year-old males with cystic fibrosis
JK Stanghelle, D Skyberg, OC Haannæs
- 532 Assessment of thyroidal "C" cell secretion in osteoporotic girls with Turner's syndrome
G Saggese, S Bertelloni, GI Baroncelli, G Federico
- 536 Hypoxaemia in infants with respiratory tract infections
CF Poets, VA Stebbens, JR Alexander, WA Arrowsmith, SAW Salfeld, DP Southall
- 542 Enhanced basal and stimulated PMN chemiluminescence activity in children with atopic dermatitis
PH Hoeger, B Niggemann, C Schroeder
- 547 Recurrent parotid swelling in children
T Hara, M Nagata, Y Mizuno, Y Ura, M Matsuo, K Ueda

- 550 Cigarette smoke exposure and development of infants throughout the first year of life
B Schulte-Hobein, D Schwartz-Bickenbach, S Abt, C Plum, H Nau
- 575 Feeding problems in an affluent society. Follow-up at four years of age in children with early refusal to eat
M Dahl, C Sundelin
- 580 Impairment of the activity of the hepatic microsomal glucose-6-phosphatase system in three preterm infants
R Hume, H Lyall, M Giles, A Burchell
- 585 Increased protein absorption after acute gastroenteritis in children
S Holm, Y Andersson, L Gothefors, T Lindberg
- 589 Increasing incidence of childhood coeliac disease in Sweden. Results of a national study
B Cavell, L Stenhammar, H Ascher, L Danielsson, A Dannaeus, T Lindberg, B Lindquist
- 593 Diabetes related autoantibodies do appear in children with coeliac disease
U Di Mario, E Anastasi, P Mariani, G Ballati, R Perfetti, P Triglione, M Morellini, M Bonamico
- 598 The status of lactose absorption in Hong Kong Chinese children
K Tadesse, DTY Leung, RCF Yuen
- 601 *Schistosoma haematobium*: a neglected common parasitic disease of childhood in Nigeria
AB Bello, LD Edungbola
- 605 Hormonal treatment of cryptorchidism—hCG or GnRH—a multicentre study
P Christiansen, J Müller, S Buhl, OR Hansen, N Hobolth, BB Jacobsen, PH Jørgensen, KW Kastrup, K Nielsen, LB Nielsen, L Pedersen-Bjergaard, KE Petersen, SA Petersen, E Thamdrup, E Thisted, L Tranebjærg, NE Skakkebaek
- 609 Obstructive sleep apnea in Arnold-Chiari malformation treated with acetazolamide
J Milerad, H Lagercrantz, P Johnson
- 613 Neuroradiological findings in children with congenital myotonic dystrophy
Y Tanabe, M Iai, K Tamai, N Fujimoto, K Sugita
- 618 Sleep and wakefulness in preadolescent children with deficits in attention, motor control and perception
L Palm, E Persson, I Bjerre, D Elmqvist, G Blennow
- 625 Well-being of children with chronic illness. A population-based study in a Swedish primary care district
L Westbom
- 655 Vitamin K prophylaxis and vitamin K deficiency bleeding (VKDB) in early infancy
R von Kries, U Göbel
- 658 Vitamin K status in cystic fibrosis
EAM Cornelissen, AF van Lieburg, K Motohara, CG van Oostrom
- 662 Neonatal polycythemia in appropriately grown infants of hypertensive mothers
I Kurlat, A Sola
- 665 Exogenous porcine surfactant (Curosuf) is inactivated by monoclonal antibody to the surfactant-associated hydrophobic protein SP-B
T Kobayashi, B Robertson, G Grossmann, K Nitta, T Curstedt, Y Suzuki
- 672 Atrial natriuretic peptide in the diagnosis of patent ductus arteriosus
FJ Weir, A Smith, P Littleton, N Carter, PA Hamilton
- 676 Circulating levels of endothelin and atrial natriuretic factor during postnatal life
T Kojima, Y Isozaki-Fukuda, M Takedatsu, Y Hirata, Y Kobayashi
- 678 Rapid decrease in tuberculin skin test reactivity at preschool age after newborn vaccination
L Kröger, ML Katila, M Korppi, E Brander, M Pietikäinen
- 682 Treatment of hypercholesterolemia in children and adolescents
B Koletzko, I Kupke, U Wendel
- 686 Growth and nutrition in 10 girls with Rett syndrome
M Thommessen, BF Kase, A Heiberg
- 691 Does growth hormone treatment of patients with Turner's syndrome cause an abnormal body shape?
WJM Gerver, NM Drayer, A van Es
- 695 Single daily doses of trimethoprim/sulphadiazine for 3 or 10 days in urinary tract infections
P Gaudreault, M Beland, JB Girodias, RL Thivierge
- 739 Methods of resuscitation in low-Apgar-score newborn infants—a national survey
C Palme-Kilander
- 745 The effect of early and late cord-clamping on blood viscosity and other hemorheological parameters in full-term neonates
O Linderkamp, M Nelle, M Kraus, EP Zilow
- 751 Randomized controlled trial of dexamethasone treatment in very-low-birth-weight infants with ventilator-dependent chronic lung disease
A Ohlsson, SA Calvert, M Hosking, AT Shennan
- 757 Protease inhibitors in bronchoalveolar lavage fluid from neonates with special reference to secretory leukocyte protease inhibitor
K Ohlsson, T Sveger, N Svenningsen
- 760 Total leukocyte and neutrophil count changes associated with antenatal betamethasone administration in premature infants
M Barak, A Cohen, S Herschkowitz
- 764 Insensible water loss from the skin during phototherapy in term and preterm infants
S Kjartansson, K Hammarlund, G Sedin
- 769 Respiratory water loss and oxygen consumption in newborn infants during phototherapy
S Kjartansson, K Hammarlund, T Riesenfeld, G Sedin
- 774 Lipoproteins in preterm and small-for-gestational-age infants during the first week of life
JM Morillas, L Moltó, R Robles, A Gil, A Sánchez-Pozo

- 779 Essential fatty acids in human colostrum
R Ronneberg, B Skåra
- 784 Transient colonization of the gut of newborn infants by orally administered bifidobacteria and lactobacilli
R Bennet, CE Nord, R Zetterström
- 788 *Chlamydia trachomatis* in neonatal respiratory distress of very preterm babies: biphasic clinical picture
D Sollecito, M Midulla, M Bavastrelli, A Panero, G Marzetti, D Rossi, M Salzano, M Roggini, G Bucci
- 792 Transfer of specific IgG and IgG subclasses to herpes simplex virus across the blood-brain barrier and placenta in preterm and term newborns
T Osuga, T Morishima, N Hanada, K Nishikawa, K Isobe, K Watanabe
- 797 Neurological adaptation of infants delivered by emergency or elective cesarean section
G Otamiri, G Berg, O Finnström, I Leijon
- 802 Hyperbilirubinemia, hypocarbia and periventricular leukomalacia in preterm infants: relationship to cerebral palsy
RS Ikonen, MO Janas, MJ Koivikko, P Laippala, EJ Kuusinen
- 808 Neurodevelopmental outcome in very-low-birth-weight infants with or without periventricular haemorrhage and/or leucomalacia
E Fazzi, G Lanzi, A Gerardo, A Ometto, S Orcesi, G Rondini
- 812 Comparison between tape-recorded and amplitude-integrated EEG monitoring in sick newborn infants
L Hellström-Westas
- 820 Sister chromatid exchanges in peripheral lymphocytes in newborns treated with phototherapy and vitamin E
A Galla, S Kitsiou-Tzeli, D Gourgiotis, E Hadjigeorgiou, H Yousef-Ayash, J Kanarios, K Richardson, C Sinaniotis
- 824 Iron status in low-birth-weight infants, small and appropriate for gestational age. A follow-up study
M Olivares, S Llaguno, V Marin, E Hertrampf, P Mena, M Milad
- 829 Relationship between neonatal behavior and subsequent temperament
E Tirosch, J Harel, J Abadi, A Berger, A Cohen
- 832 Persistence of respiratory symptoms into the second year of life: predictive factors in infants born preterm
B Yuksel, A Greenough
- 836 Gestational age correction for height in preterm children to seven years of age
AM Elliman, EM Bryan, AD Elliman, DR Harvey
- 840 Growth and motor performance in preterm children at 8 years of age
M Forslund
- 859 Effect of post-delivery care on neonatal body temperature
RB Johanson, SA Spencer, P Rolfe, P Jones, DS Malla
- 864 Macromolecular absorption in small-for-gestational-age infants
G Boehm, I Jakobsson, M Månsson, NCR Räihä
- 868 Predictive inability of cord zinc, magnesium and copper levels on the development of benign hyperbilirubinemia in the newborn
S Pintor, D Kohelet, E Arbel, M Goldberg
- 870 Efficacy of "high-intensity" blue-light and "standard" daylight phototherapy for non-haemolytic hyperbilirubinaemia
KL Tan, GC Lim, KW Boey
- 875 Oxygen saturation and breathing patterns in preterm infants with cyanotic episodes
MP Samuels, CF Poets, VA Stebbens, JA Alexander, DP Southall
- 881 Giardiasis causing chronic diarrhoea in suburban Copenhagen: incidence, physical growth, clinical symptoms and small intestinal abnormality
K Hjelt, A Pærregaard, PA Krasilnikoff
- 887 Effect of measles-mumps-rubella vaccination on polymorphonuclear neutrophil functions in children
R Toraldo, C Tolone, P Catalanotti, R Ianniello, M D'Avanzo, G Canino, F Galdiero, F Iafusco
- 891 Skin test reactivity to atypical mycobacteria among healthy Finnish preschool children vaccinated with BCG vaccine at birth
L Kröger, ML Katila, M Korppi, M Pietikäinen
- 896 Proliferative responses of CD4+ T-cell population to ovalbumin in patients with atopic dermatitis who are sensitive to hen eggs
S Shinoda, N Kondo, O Fukutomi, H Agata, T Orii
- 902 A double-blind, placebo-controlled study of the effect of intranasal budesonide in the treatment of children with seasonal rhinitis
OD Wolthers, BA Jorgensen, S Pedersen
- 907 Urinary glycyIprolyl dipeptidyl aminopeptidase (GP-DAP) in insulin-dependent diabetic patients
O Nukada, M Kobayashi, T Moriwake, S Kanzaki, H Hime, T Yoda, Y Seino
- 912 Glucocorticoid treatment or food deprivation counteracts the stimulating effect of growth hormone on rat cortical bone strength
G Ørtoft, H Oxlund, P Holmberg Jørgensen, TT Andreassen
- 918 Implantable central venous catheter facilitates prophylactic treatment in children with haemophilia
R Ljung, P Petrini, A-K Lindgren, E Berntorp
- 921 *Borrelia* arthritis in Swedish children: clinical manifestations in 10 children
S Hammers-Berggren, U Andersson, G Stiernstedt
- 925 The influence of scoliosis brace treatment on function in children with myelomeningocele
E Berned Müller, A Nordwall, L von Wendt
- 929 Absences for sickness among children in day care
M Möttönen, M Uhari
- 953 Lumbar bone mineral content measured by dual energy X-ray absorptiometry in newborns and infants
BL Salle, P Brailon, FH Glorieux, J Brunet, E Cavero, PJ Meunier

- 959 Effects of body movement restraint on cardiac response to auditory stimulation in sleeping infants
A Kahn, E Rebuffat, M Sottiaux
- 962 Narcotic and nicotine effects on the neonatal auditory system
RM Trammer, G Aust, K Köster, M Obladen
- 966 Elevated calcitonin gene-related peptide in polycythemic newborn infants
G Saggese, S Bertelloni, GI Baroncelli, C Cipolloni
- 969 Low renal net acid excretion, high calciuria and biochemical signs of sodium deficiency in low-birth-weight infants fed a new low-phosphorus formula
F Manz, L Diekmann, H Kalhoff, GJ Stock, C Kunz
- 974 Non-nutritive sucking does not increase blood levels of gastrin, motilin, insulin and insulin-like growth factor 1 in premature infants receiving enteral feedings
KS Kanarek, D Shulman
- 978 Atrial natriuretic peptide in the preterm infant. Lack of correlation with natriuresis and diuresis
H Ekblad, P Kero, O Vuolteenaho, O Arjamaa, H Korvenranta, SG Shaffer
- 983 Participation of immune complexes in adenovirus infection
AS Mistchenko, HL Lenzi, FM Thompson, EM Mota, S Vidaurreta, C Navari, S Grinstein
- 989 Role of non-capsulated *Haemophilus influenzae* as a respiratory pathogen in children
M Korppi, ML Katila, J Jääskeläinen, M Leinonen
- 993 Role of *Moraxella (Branhamella) catarrhalis* as a respiratory pathogen in children
M Korppi, ML Katila, J Jääskeläinen, M Leinonen
- 997 Nested amplification protocol for the detection of *Mycobacterium tuberculosis*
M Narita, Y Matsuzono, M Shibata, T Togashi
- 1002 Hemoglobin desaturation during sleep and daytime in patients with cystic fibrosis and severe airway obstruction
C Braggion, U Pradal, G Mastella
- 1007 The role of cow's milk protein intolerance in steroid-resistant nephrotic syndrome
M Sieniawska, H Szymanik-Grzelak, M Kowalewska, M Wasik, D Koleska
- 1013 Ten-year prognosis for generalized infantile eczema
O Linna, J Kokkonen, P Lahtela, O Tammela
- 1017 Autologous bone marrow transplantation in children with acute lymphoblastic leukemia
G Lönnnerholm, B Simonsson, J Arvidson, M Bengtsson, K Carlson, H Hagberg, Å Jakobson, A Kreuger, B Smedmyr, TH Tötterman, G Öberg
- 1023 Growth during treatment of familial hypercholesterolemia
D Hansen, KF Michaelsen, F Skovby
- 1026 Anaemia and macrocytosis-unrecognized features in cartilage-hair hypoplasia
O Mäkitie, J Rajantie, I Kaitila
- 1030 Magnetic resonance imaging of the brain structures in the posterior fossa in retarded autistic children
T Hashimoto, K Murakawa, M Miyazaki, M Tayama, Y Kuroda
- 1035 Low back pain and disability in 14-year-old schoolchildren
JJ Salminen, J Pentti, P Terho

SHORT COMMUNICATIONS

- 182 Aplasia cutis congenita of the scalp without other defects in three siblings
K Gücüyener, FS Tunaoglu, S Demirsoy, Y Atalay, N Memioğlu
- 264 Prediction equations for total body water during early infancy
NF Butte, WW Wong, C Garza
- 266 Colostrum and human milk inhibit localized adherence of enteropathogenic *Escherichia coli* to HeLa cells
MLM Silva, CMS Giampaglia
- 268 Atrial natriuretic peptide and fludrocortisone therapy in congenital adrenal hyperplasia
O Arisaka, A Hosaka, M Arisaka, N Shimura, Y Nakayama, Y Yamashiro, K Yabuta
- 270 Neonatal plasma concentrations of secretory leucocyte protease inhibitor
T Sveger, K Ohlsson, N Svenningsen
- 272 Dinamap blood pressure measurements in the newborn: how many—what effects?
M Thoresen, F Cowan
- 351 Prophylaxis of patent ductus arteriosus using ethamsylate in preterms treated with exogenous surfactant
M Amato, PS Hüppi, D Markus
- 353 Elastase α_1 -proteinase inhibitor plasma concentration in late onset neonatal septicaemia caused by coagulase-negative staphylococci and gram negative bacteria
FK Tegtmeier, J Möller, C Horn, M Rossa
- 436 The urinary acylcarnitine profile in three cases of transient hyperammonemia of the newborn
T Sakuma, N Sugiyama, Y Wada
- 439 Lipids and lipoproteins in cord blood: analyses of a Hispanic and Arab population
P Valdivielso, F Martinez-Cortés, JR Legrós, J Vadillo, JM Martín-Sánchez, E Torres, MV Martínez-Guerrero
- 441 Parental attitudes towards discipline
R McClure, I Choonara
- 558 Wiskott-Aldrich syndrome
W Chlebcewicz-Szuba, J Lubiński, E Kamińska, A Krygier-Stojalowska
- 560 Plasma endotoxin and glycolipid antibodies in children with meningitis
ME Al Awad, R Moosa, S Raziuddin, N Wardle
- 562 Polycystic kidneys in Ivemark's syndrome
F Krull, I Schulze-Neick, I Luhmer

- 630 Infant feeding and Schönlein-Henoch purpura
A Pisacane, W Buffolano, G Grillo, C Gaudiosi
- 631 C-reactive protein in hepatitis A
I Roine, W Ledermann, H Peltola
- 632 Reasons for low tetanus immunization coverage in a hospital: a focus group investigation
P-E Kofoed, S Zeitlyn, AKSM Rahman, M Gomes, B Nielsen
- 633 Further evidence of elevated bone resorption in Ullrich-Turner syndrome by measuring urinary galactosyl-hydroxylysine
E Schönauf, K Kruse, B de Bernard, L Moro
- 698 Selective growth hormone deficiency of hypothalamic origin following severe head injury
A Lopez Guzman, J Salvador, R Albero, J Sastre, P Iglesias, JJ Diez, A Gomez-Pan
- 700 Zinc, copper and iron in serum and hair of newborns and their correlation with clinical data
N Pop-Jordanova, M Bogdanova
- 702 Echo-Doppler abnormalities in mucopolysaccharide storage diseases
V Farina, F de Leva, P Caso, L Scippa, G Parenti, P Strisciuglio
- 705 RNA hybridization for *Mycoplasma pneumoniae*: a new tool for following the epidemiological situation
T Heiskanen-Kosma, M Korppi, M Kleemola, K Heinonen
- 843 High noise levels in infant incubators can be reduced
M Michaëlsson, T Riesenfeld, A Sagrén
- 845 CSF ascorbic acid and lactate levels after neonatal asphyxia: preliminary results
D Oriot, P Bêtrémieux, N Baumann, C Lefrançois, B Le Marec
- 847 Early hyponatraemia and neonatal drug withdrawal
AP Winrow, IZ Kovar, BR Jani, M Gatzoulis
- 849 Neonatal pericarditis as a presenting manifestation of chronic granulomatous disease
M Wilschanski, A Abrahamov, M Weintraub, B Ferber, J Glaser, M Kaplan
- 933 Steatocrit test: normal range and physiological variations in preterm and low-birth-weight full-term newborns
G Iacono, A Carroccio, G Montalto, F Cavataio, RA Gioeli, AM Di Dato, A Notarbartolo, V Balsamo, A Priolisi
- 935 Macrophage-released interleukin-1 in patients with type 1 diabetes mellitus
I Sahdev, P Fort, A Herry
- 937 Alagille syndrome and hepatocarcinoma: a case report
A Chiaretti, G Zampino, L Botto, G Polidori
- 1040 Relationship between low birth weight and respiratory symptoms in a cohort of primary school children
Th Frischer, J Kuehr, R Meinert, W Karmaus, R Barth, E Hermann-Kunz, R Urbanek
- 1042 Low incidence of pulmonary *Pseudomonas cepacia* infection in Danish cystic fibrosis patients
M Nir, HK Johansen, N Hoiby
- CASE REPORTS
- 69 Cholelithiasis during the first year of life: case reports and literature review
R Ljung, S Ivarsson, P Nilsson, J Solvig, C Wattsgård, S Borulf
- 73 Glucose polymers in diarrhoea—risk of hypernatraemia
A Lindfors, B Lundberg, L Stenhammar
- 75 Artificial renal and liver support in a severe hepatorenal syndrome of childhood
AA Alarabi, BG Danielson, B Wikström, A Kreuger, G Tufveson
- 79 Carnitine deficiency: a possible cause of gastrointestinal dysmotility
LT Weaver, SR Rosenthal, W Gladstone, HS Winter
- 82 Mild course of cystic fibrosis associated with heterozygosity for infrequent mutations in the first nucleotide-binding fold of CFTR
T Dörk, U Wulbrand, G Steinkamp, B Timmler
- 84 Meningitis and midline facial deformity
DC Wilson, MJ Cunningham, M McC Reid, SS Johnston, TF Fannin
- 86 Long-term study of the immunodeficiency of Bloom's syndrome
N Kondo, F Motoyoshi, S Mori, N Kuwabara, T Orii, J German
- 91 Cushing's syndrome due to primary pigmented nodular adrenocortical disease with cardiac myxomas and mucocutaneous lentigines
Y Ichiba, Y Nishizaki, M Tanizaki
- 183 Transverse myelitis following mumps in children
M Nussinovitch, N Brand, M Frydman, I Varsano
- 274 Thyroid dysmorphogenesis: severe hypothyroidism after normal neonatal thyroid stimulating hormone screening
F de Zegher, M Vanderschueren-Lodeweyckx, C Heinrichs, G Van Vliet, P Malvaux
- 277 Thiazide therapy for ACTH-induced hypercalciuria and nephrolithiasis
Z Katzir, Y Shvil, EH Landau, MM Popovtzer
- 280 The value of peritoneal dialysis in the treatment of severe ethanol intoxication in childhood revised
D Woelfel, G Zeilinger, MAV Wendt-Göckner
- 355 Rapid onset of severe retinopathy, cataracts and neuropathy in young patients with diabetes mellitus
PB Carroll, RD Herskowitz, AD Goodman, RS Busch, RS Beaser
- 359 Cerebrospinal fluid exchange after intrathecal methotrexate overdose. A report of two cases
AM Jakobson, A Kreuger, Ö Mortimer, S Henningsson, H Seidel, PJ Moe

- 362 Hyperthyroidism accelerates growth in Turner's syndrome
G Massa, F de Zegher, L Doms, M Vanderschueren-Lodeweyckx
- 365 Vasopressin and gonadotropin deficiency in a boy with the ectrodactyly-ectodermal dysplasia-clefting syndrome
L Van Maldergem, Y Gillerot, E Vamos, M Toppet, P Watillon, G Van Vliet
- 368 Intrauterine diagnosis and evolution of a cardiomyopathy in a fetus with Noonan's syndrome
S-E Sonesson, J-C Fouron, M Lessard
- 371 High-dose intravenous human immunoglobulin in a case with infantile opsoclonus polymyoclonia syndrome
H Sugie, Y Sugie, H Akimoto, K Endo, M Shirai, M Ito
- 373 Albuminuric growth failure. A case of Munchausen syndrome by proxy
EGH Lyall, HF Stirling, PM Crofton, CJH Kelnar
- 449 Liver transplantation in tyrosinaemia type 1: the dilemma of timing the operation
A Salt, ND Barnes, K Rolles, RY Calne, PT Clayton, JV Leonard
- 453 Clinical and electrophysiological reports in a case of early onset myotonia congenita (Thomsen's disease) successfully treated with mexiletine
M Ceccarelli, B Rossi, G Siciliano, L Calevro, E Tarantino
- 456 Recurrent nodular haemangiomas in Klippel-Trénaunay syndrome
N Illum, H Winther Nielsen, B Guldhammer Skov
- 459 The primary empty sella syndrome and diabetes insipidus in a child
W Hung, CR Fitz
- 566 Recombinant factor VIIa in an infant with haemophilia A and inhibitors
L Tengborn, B Kjellman, P-O Elfstrand, T Bågenholm
- 568 Chronic active hepatitis with renal tubular acidosis presenting as hypokalemic periodic paralysis with respiratory failure
PA Koul, SM Saleem
- 570 Normal Y sequences in Smith-Lemli-Opitz syndrome with total failure of masculinization
R Fukazawa, Y Nakahori, T Kogo, T Kawakami, H Akamatsu, A Tanae, I Hibi, S Nagafuchi, Y Nakagome, T Hirayama
- 635 Hoarseness in a child with gastroesophageal reflux
PE Putnam, SR Orenstein
- 637 Progressive idiopathic cholestasis presenting with profuse watery diarrhoea and recurrent infections (Byler's disease)
BM Winkhofer-Roob, DH Shmerling, R Soler, J Briner
- 641 Septo-optic dysplasia and growth hormone deficiency: accelerated pubertal maturation during GH therapy
S Freude, H Frisch, D Wimberger, E Schober, G Häusler, F Waldhauser, F Aichner
- 646 Phenytoin-induced IgG2 and IgG4 deficiencies in a patient with epilepsy
A Ishizaka, M Nakanishi, E Kasahara, K Mizutani, Y Sakiyama, S Matsumoto
- 649 Self-inflicted ocular mutilation in the pediatric age group
I Ashkenazi, E Shahar, N Brand, E Bartov, M Blumenthal
- 652 Congenital sideroblastic anaemia with intrauterine symptoms and early lethal outcome
K Andersen, PH Kaad
- 709 Acute renal failure in a neonate due to pelviureteric candidal bezoars successfully treated with long-term systemic fluconazole
KA Bergman, JF Meis, AM Horrevorts, L Monnens
- 712 Intracardiac rhabdomyomas in neonates: report of three cases
G Björkhem, N-R Lundström, G Lingman
- 716 Anesthesia-induced rhabdomyolysis in infants with unsuspected Duchenne dystrophy
TT Tang, HW Oechler, D Siker, AD Segura, RA Franciosi
- 720 Noma neonatorum: an unusual case of noma involving a full-term neonate
J-Y Lin, D-W Wang, C-T Peng, F-J Tsai, Y-M Chiou, C-H Tsai
- 723 Shoshin beriberi in an infant of a thiamine deficient mother
PJ Debus
- 725 Miliary tuberculosis with acute respiratory failure and histiocytic hemophagocytosis. Successful treatment with extracorporeal lung support and epipodophyllotoxin VP 16-213
B Monier, B Fauroux, JY Chevalier, G Leverger, M Nathanson, J Costil, G Tournier
- 851 Hydrops fetalis associated with *Ureaplasma urealyticum*
J Ollikainen, H Hiekkaniemi, M Korppi, M-L Katila, K Heinonen
- 853 A case of familial nesidioblastosis: prenatal diagnosis of foetal hyperinsulinism
C Bianchi, E Corbella, L Beccaria, P Bolla, G Chiumello
- 856 Neonatal *Salmonella panama* infection with meningitis
AAI Kostiala, M Westersträhle, M Muttilainen
- 941 Chloramphenicol-resistant *Haemophilus influenzae* meningitis in young urban Nigerian children
A-WBR Johnson, OA Mokuolu, BA Onile
- 944 Rupture of the trachea: an unusual complication of delivery
AK Myrvang Høgåsen, G Bøe, PH Finne

- 1044 Takayasu's aortitis with renovascular hypertension
S-A Ivarsson, D Bergqvist, NR Lundström, E Maly, KO Nilsson, C Wattsgård
- 1049 Guillain-Barré syndrome presenting with severe musculoskeletal pain
PJ Manners, KJ Murray
- 1052 Bone marrow examination before steroids in thrombocytopenic purpura or arthritis
MM Reid
- 1054 Microphthalmos with bilateral colobomatous orbital cyst accompanied by polycystic kidney disease and vacuolization of myeloid progenitor cells
M Bakir, F Sarialioğlu, S Bilgiç, O Akhan
- 1058 TSH-secreting pituitary macroadenoma in an 11-year-old girl
A Avramides, A Karapiperis, E Triantafyllidou, S Vayas, A Moshidou, A Vyzantiadis
- 1061 Cystic adult granulosa cell tumor causing precocious pseudopuberty in a six-year-old girl
O Arisaka, T Matsumoto, A Hosaka, N Shimura, Y Nakayama, H Fujita, Y Yamashiro, K Yabuta

THERAPEUTIC NOTES

- 707 Ganciclovir therapy of congenital cytomegalovirus disease
H Reigstad, R Bjerknes, T Markestad, H Myrnes
- 938 Efficiency of prostaglandin E₁ in a tiny baby with coarctation of the aorta and ligated ductus arteriosus
J-M Hascoët, F Didier, P Monin, P Vert

INVITED COMMENTARIES

- 93 Dyskinetic and dystonic cerebral palsy and birth
B Hagberg, G Hagberg

- 446 Surfactant as an immunogen: implications for therapy of respiratory distress syndrome
DS Strayer, B Robertson
- 448 Parental attitudes towards discipline
K Oates
- 564 A therapeutic alternative for haemophiliacs with inhibitors
S Schulman

VIEWPOINT

- 443 How small is too small? A personal opinion
PR Swyer
- 733 What does the preterm infant breathe for? Controversies on apnea of prematurity
H Lagerkrantz
- 737 Role of pulmonary vascular pressure in the first breath: engineering reassessment of Jaykka's experimental findings
DG Talbert

RAPID COMMUNICATION

- 262 Cystic fibrosis mutations in southern Sweden: relationship to clinical severity
R Kornfält, B Andreasson, L Holmberg

LETTERS TO THE EDITOR

See pages 283, 377, 728, 946

BOOK REVIEWS

See pages 185, 380, 731, 951, 1065

381 ERRATUM